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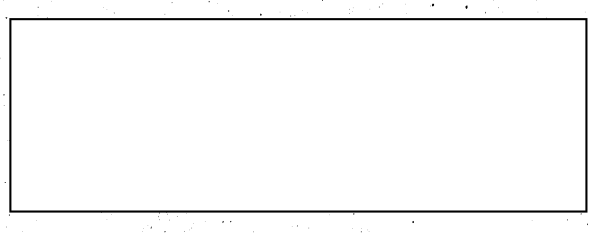
CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

# SOVIET-TYPE SAM INSTALLATIONS
# WACS 50, 51, 75, 91, AND 92



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CENTRAL INTELLIGENCE AGENCY

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# SOVIET-TYPE SAM INSTALLATIONS
# WACS 50, 51, 75, 91, AND 92

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# PREFACE

This is the first in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations whether in or out of the Sino-Soviet Bloc. Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-0), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified installations, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation cannot be determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

# INTRODUCTION

25X1D

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 50, 51, 75, 91, and 92 and identified on photography. The cutoff date for this information is [redacted]. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this report. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-5), which gives detailed data and a map (Figures 3-7), which indicates the location and type of each SAM installation.

Explanations of the columnar headings used in the tables are as follows:

Item -- Given in numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number -- In accordance with the TDI. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates -- Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference -- BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration -- Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears -- Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated -- Refers to the latest [redacted] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks -- Covers items of special or unusual interest.

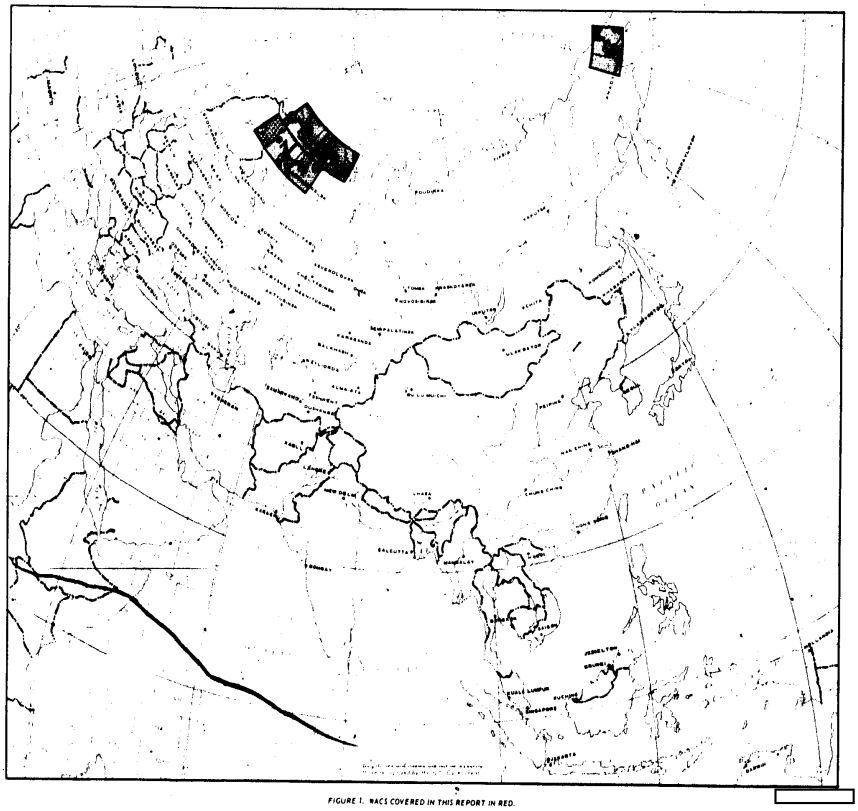

FIGURE 1. MACS COVERED IN THIS REPORT IN RED.

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25X1B

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25X9

*Table 1. SAM Installations on WAT 50*

| Item | Name, Site Designator, & BE No | Coordinates | Country & Map Ref | Type & Configuration | Mission & Date First Appears | Mission & Date Installation Negated | Remarks |
|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | |
| 25X1A | Belushya Guba SAM Site A36-2, [redacted] | 71-41-03N 52-19-25E | UR 050-4 | SA-2, Prob fan | | | |
| | Belushya Guba SAM Support Facility [redacted] | 71-36-05N 52-23-30E | UR 050-4 | Type II (square) | | | |

25X1D

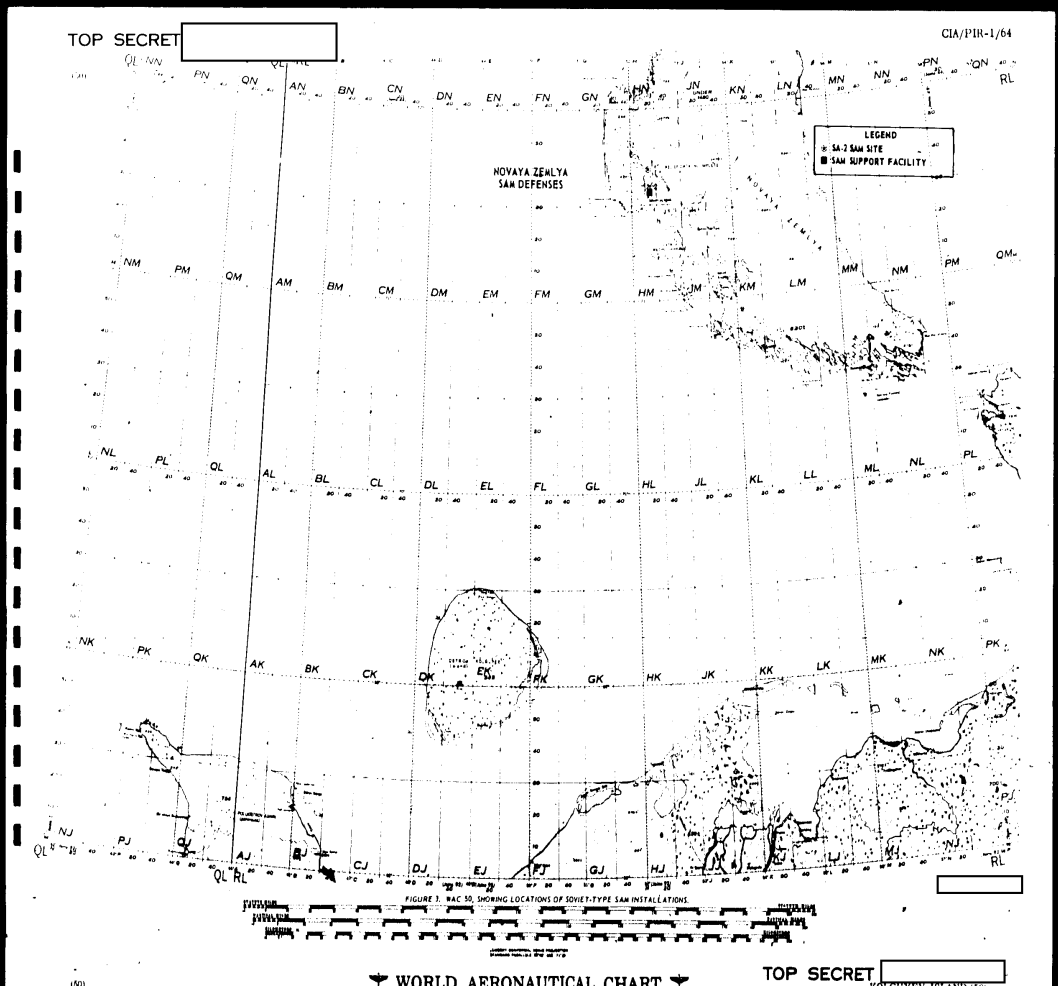


FIGURE 7. WAC 50, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

*Table 2. SAM Installations as of 1 Jan 61*

| Item | Name, Site Designator, & BE No | Coordinates | Country & Map Ref | Type & Configuration | Mission & Date First Appears | Mission & Date Installation Negated | Remarks |
|---|---|---|---|---|---|---|---|
| A. Motovskiy Bay SAM Defenses* (in defense of Litsa Bay Naval Base, Naval Missile Storage Area, and Naval Facilities in the Motovskiy Bay Area) | | | | | | | |
| 1 | Pechenga SAM Site [redacted] | 69-42-20N 33-03-20E | UR 051-13 | SA-2, Prob link | | | |
| 2 | Pechenga SAM Site | 69-51-30N 31-57-15E | UR 015-17 | SA-2, Prob link | | | |
| 3 | Pechenga SAM Site | 69-46-00N 32-36-30E | UR 051-13 | SA-2, fan | | | |
| 4 | Pechenga SAM Support Facility | 69-44-50N 32-06-30E | UR 051-12 | Type II (square) | | | |
| 5 | Pechenga SAM Site B06-2 | 69-44-00N 31-49-30E | UR 051-12 | SA-2, link | | | |
| B. Murmansk SAM Defenses* (in defense of Murmansk complex including naval bases and airfields) | | | | | | | |
| 6 | Murmansk SAM Support Facility | 69-02-20N 33-14-30E | UR 051-18 | Type I (rectangle) | | | |
| 7 | Murmansk SAM Support Facility | 68-50-00N 33-06-00E | UR 051-18 | Type II (square) | | | |
| 8 | Murmansk SAM Site C32-2 | 69-15-55N 32-19-30E | UR 051-17 | SA-2, link | | | |
| 9 | Murmansk SAM Site B33-2 | 69-06-45N 32-18-10E | UR 051-18 | SA-2, Prob link | | | Strongly resembles Murmansk B40-0, an SA-0 SAM Site. |
| 10 | Murmansk SAM Site B23-2 | 68-58-20N 32-46-00E | UR 051-18 | SA-2, star | | | |
| 11 | Murmansk SAM Site H17-2 | 68-46-30N 33-11-20E | UR 051-23 | SA-2, link | | | |
| 12 | Murmansk SAM Site B10-0 | 68-56-00N 33-41-00E | UR 051-18 | SA-0, Category I | | | |
| 13 | Murmansk SAM Site B08-3 | 69-00-50N 33-39-30E | UR 051-18 | SA-3, Configuration A | | | This site, although carried as an SA-3, has four definite positions and a faint sixth position, all probably unrevetted, located along a circular road. It closely resembles those unrevetted SA-2 sites which were previously identified as Category 2, SA-0 SAM sites. |
| C. Polyarnyy Kildin SAM Defenses* (in defense of naval facilities at mouth of Kola Gulf and on Kildin Island) | | | | | | | |
| 14 | Murmansk SAM Site D05-2 | 69-20-10N 34-16-10E | UR 051-18 | SA-2, link | | | Has a small, secured support facility adjacent to the site. |
| 15 | Murmansk SAM Site B04-2 | 69-14-15N 33-35-00E | UR 051-18 | SA-2, link | | | |
| 16 | Murmansk SAM Site C02-2 | 69-22-50N 33-28-30E | UR 051-18 | SA-2, fan | | | |
| 17 | Murmansk SAM Site C02-3 | 69-23-55N 33-30-00E | UR 051-18 | Prob SA-3, Configuration undetermined | | | |
| D. Olenegorsk SAM Defenses (in defense of Taybola IRBM Complex, Olenya Airfields, and Olenya Regional [redacted]) | | | | | | | |
| 18 | Olenegorsk SAM Site B01-3 | 68-27-00N 33-23-00E | UR 051-23 | SA-3, Configuration C | | | |
| 19 | Olenegorsk SAM Site B05-3 | 68-15-20N 33-38-20E | UR 051-23 | SA-3, Configuration C | | | |
| 20 | Olenegorsk SAM Site B02-2 | 68-20-50N 33-26-30E | UR 051-23 | SA-2, link | | | |
| 21 | Olenegorsk SAM Site B02-3 | 68-22-10N 33-27-00E | UR 051-23 | SA-3, Configuration C | | | |
| 22 | Olenegorsk SAM Site A11-2 | 68-06-30N 33-35-30E | UR 051-23 | SA-2, link | | | |
| 23 | Olenegorsk SAM Site B13-0 | 68-04-30N 34-08-00E | UR 051-23 | SA-0, Category I | | | Small unidentified facility located just east of this site. Unrevetted site. |
| 24 | Olenegorsk SAM Site | 68-01-00N 33-00-00E | UR 051-23 | SA-2, Configuration undetermined | | | |
| 25 | Olenegorsk SAM Support Facility | 68-13-00N 33-49-50E | UR 051-23 | Type I (rectangular) | | | |
| 26 | Olenegorsk SAM Site A11-3 | 68-05-30N 33-39-20E | UR 0153-23 | SA-3, Configuration C | | | |
| E. Iokanga SAM Defenses (in defense of alternate submarine base) | | | | | | | |
| 27 | Iokanga SAM Site A13-2 | 68-01-10N 39-31-26E | UR 051-25 | SA-2, link | | | |
| 28 | Iokanga SAM Site A03-2 | 68-07-05N 39-47-50E | UR 051-25 | SA-2, Configuration undetermined | | | Unrevetted site. |
| 29 | Gremikha SAM Support Facility | 68-03-00N 39-31-00E | UR 051-25 | Type II (square) | | | |

*These three SAM defense systems overlap to provide overall coverage of this highly strategic naval operating area.

25X1A

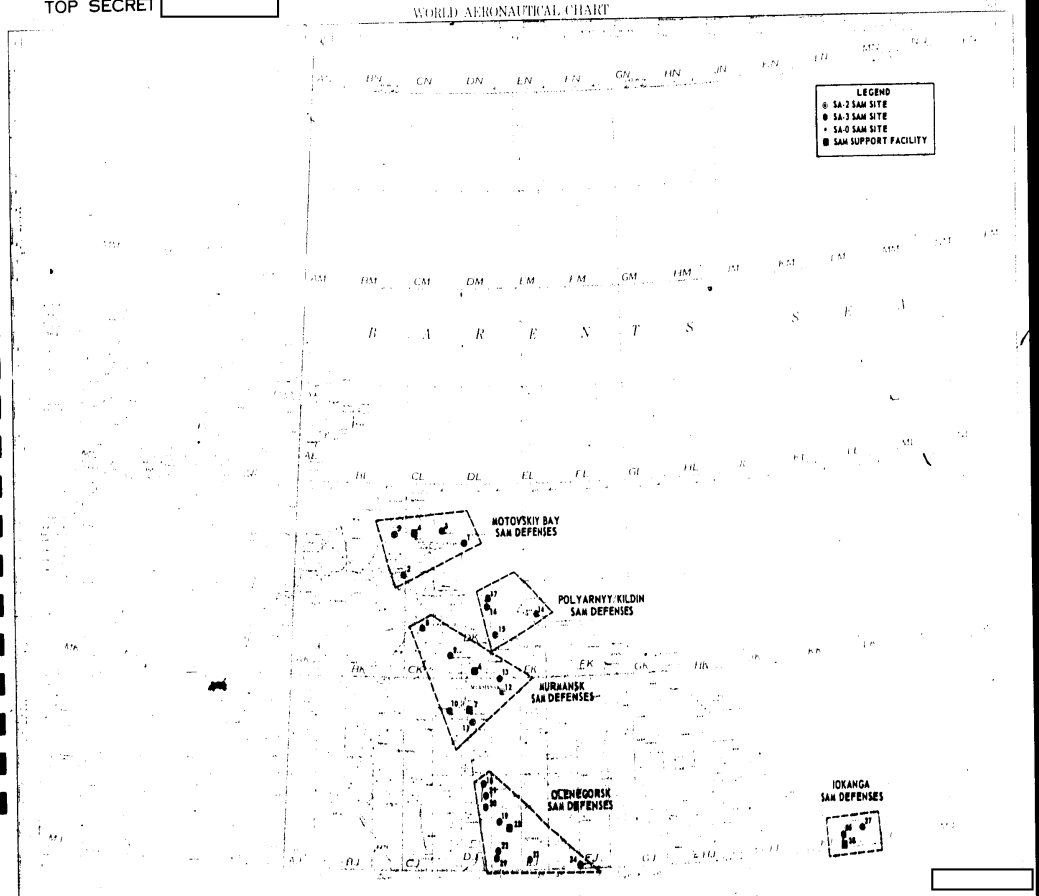


FIGURE 4. TAC ST, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

25X9

*Table 3. SAM Installations on WAC 75*

| Item | Name, Site Designator, & BE No | Coordinates | Country & Map Ref | Type & Configuration | Mission & Date First Appears | Mission & Date Installation Negated | Remarks |
|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | |
| 25X1A 1 | Ugolnyy MRBM Complex SAM Site B;9-2; | 64-48-40N 177-26-00E | UR 075-16 | SA-2, star | | | |
| 25X1A 2 | Anadyr SAM Site | 64-37-25N 176-00-30E | UR 075-22 | SA-2; Prob fan | | | |
| 3 | Anadyr SAM Support Facility [redacted] | 64-48-20N 177-45-45E | UR 075-16 | Type II (square) | | | |
| 4 | Ugolnyy MRBM Complex SAM Site A25-2; | 64-43-00N 177-58-30E | UR 075-21 | SA-2, Configuration undetermined | | | |
| 25X1A [redacted] | | | | | | | |

25X1D

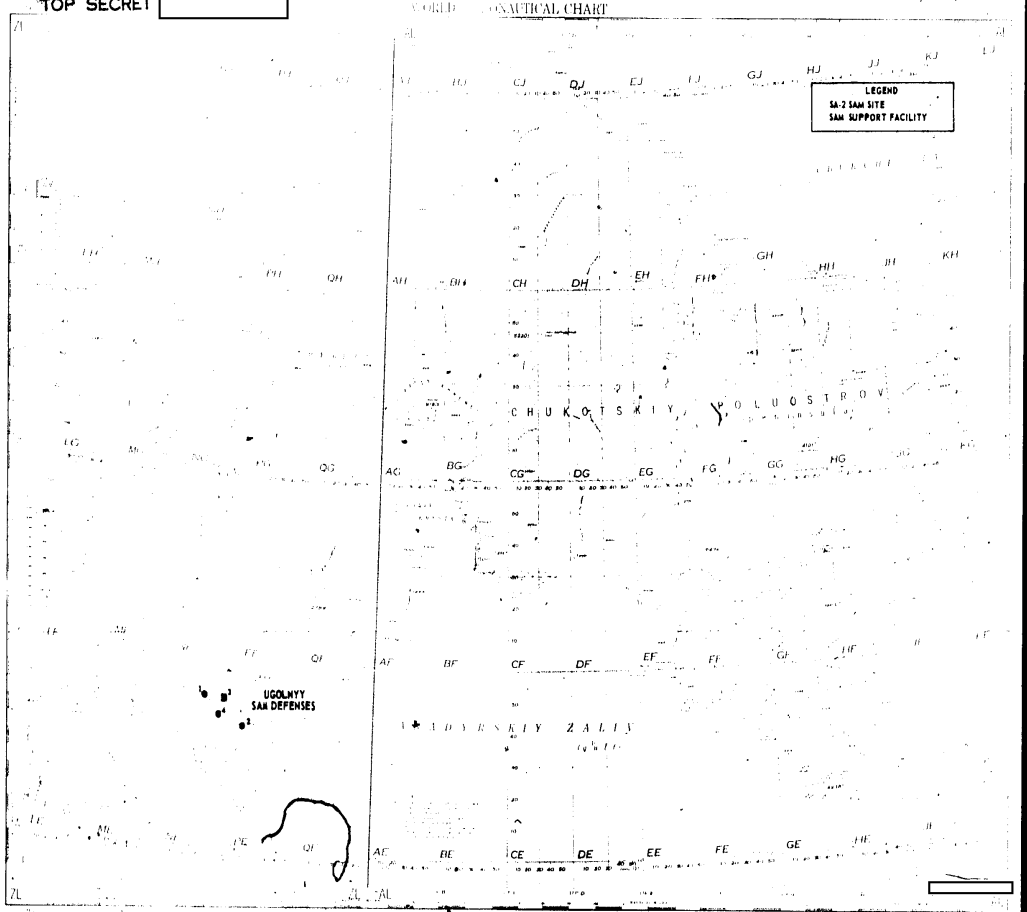


FIGURE 5. WAC 73, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

*Table 4. SAM Installations on WAC 91*

| Item | Name, Site Designator, & BE No | Coordinates | Country & Map Ref | Type & Configuration | Mission & Date First Appears | Mission & Date Installation Negated | Remarks |
|---|---|---|---|---|---|---|---|
| **Belomorsk SAM Defenses (probably in defense of Belomorsk IRBM Complex, and town complex)** | | | | | | | |
| 1 | Belomorsk SAM Site B25-2 [redacted] | 64-26-05N 34-24-25E | UR-091-25 | SA-2, link | [redacted] | | |
| 2 | Belomorsk SAM Site A05-2 | 64-34-00N 34-51-40E | UR-091-25 | SA-2, link | | | |

25X1A

25X1D

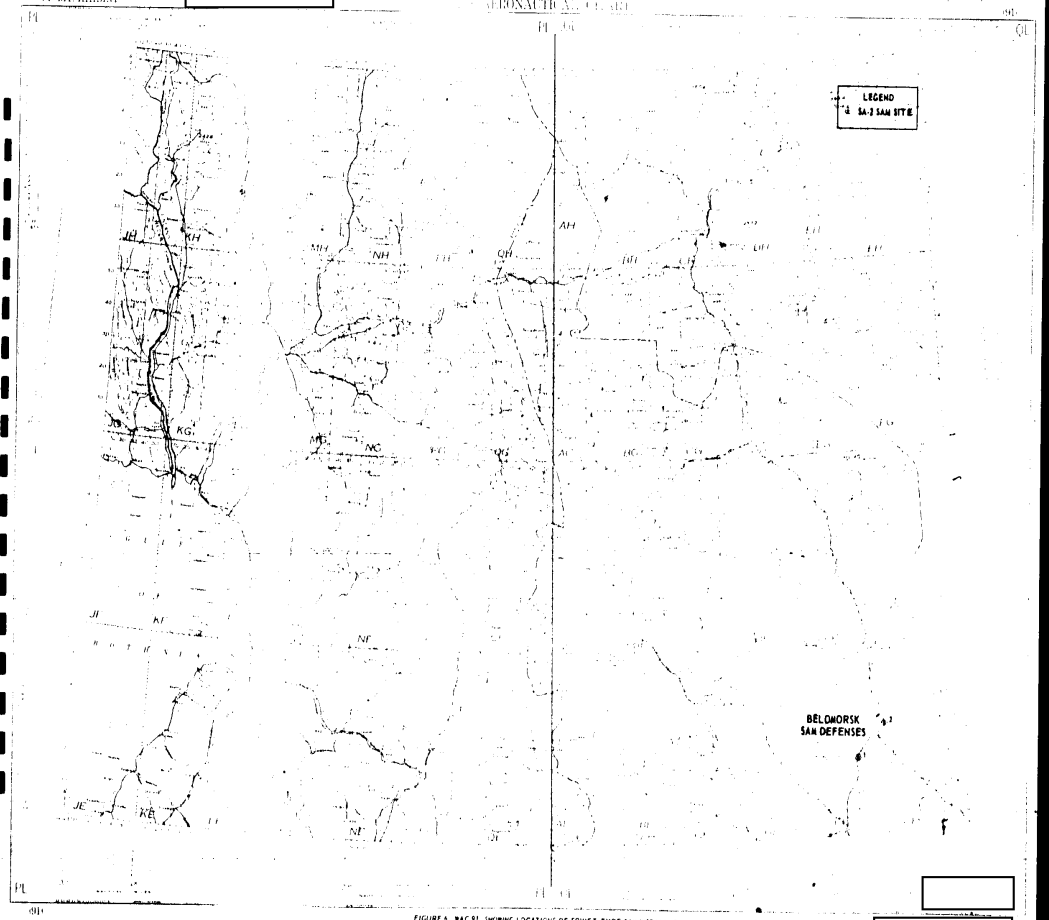


FIGURE 6. MAC 91, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS

*Table 5. SAM Installations on WAC 92*

| Item | Name, Site Designator, & BE No | Coordinates | Country & Map Ref | Type & Configuration | Mission & Date First Appears | Mission & Date Installation Negated | Remarks |
|---|---|---|---|---|---|---|---|
| 25X1A | Arkhangelsk/Severodvinsk SAM Defenses (in defense of the city complexes and port facilities; the naval facilities at Severodvinsk and Arkhangelsk; and Arkhangelsk/Kholm Airfield. Headquarters of Northern Fleet Missile Test Complex is at Severodvinsk) | | | | | | |
| 25X1A | 1 Severodvinsk SAM Site | 64-35-20N 39-25-00E | UR 092-22 | SA-2, fan | | | |
| | 2 Severodvinsk SAM Site | 64-32-40N 39-30-20E | UR 092-22 | Prob SA-3, Configuration undetermined | | | |
| 25X1A | 3 Severodvinsk SAM Site A20-2 | 64-26-00N 39-43-30E | UR 092-22 | SA-2, fan | | | |
| | 4 Severodvinsk SAM Support Facility | 64-37-00N 39-49-30E | UR 092-22 | Type I (rectangle) | | | |
| 25X1A | 5 Severodvinsk SAM Site A36-2 | 64-38-40N 39-49-50E | UR 092-22 | SA-2, daisy | | | |
| | 6 Severodvinsk SAM Site B02-2 | 64-45-35N 39-57-55E | UR 092-22 | SA-2, daisy | | | Small, fenced support facility connected with this site which probably also supports Severodvinsk SAM Site B02-3 |
| 25X1A | 7 Severodvinsk SAM Site B02-3 | 64-46-10N 39-59-00E | UR 092-22 | SA-3, Configuration undetermined | | | |
| 25X1A | 8 Arkhangelsk SAM Site B22-2 | 64-24-00N 40-18-10E | UR 092-22 | SA-2, fan | | | |
| 25X1A | 9 Arkhangelsk SAM Site B22A-2 | 64-25-20N 40-18-40E | UR 092-22 | SA-2, fan | | | |
| | 10 Arkhangelsk SAM Site B36-2 | 64-16-00N 40-27-00E | UR 092-22 | SA-2, fan | | | Small, fenced support facility associated with site. |
| | 11 Arkhangelsk SAM Support Facility | 64-31-25N 40-43-50E | UR 092-22 | Type II (square) | | | |
| | 12 Arkhangelsk SAM Site B13-2 | 64-24-30N 41-01-00E | UR 092-22 | SA-2, fan | | | |

25X1D

25X1A

25X1A

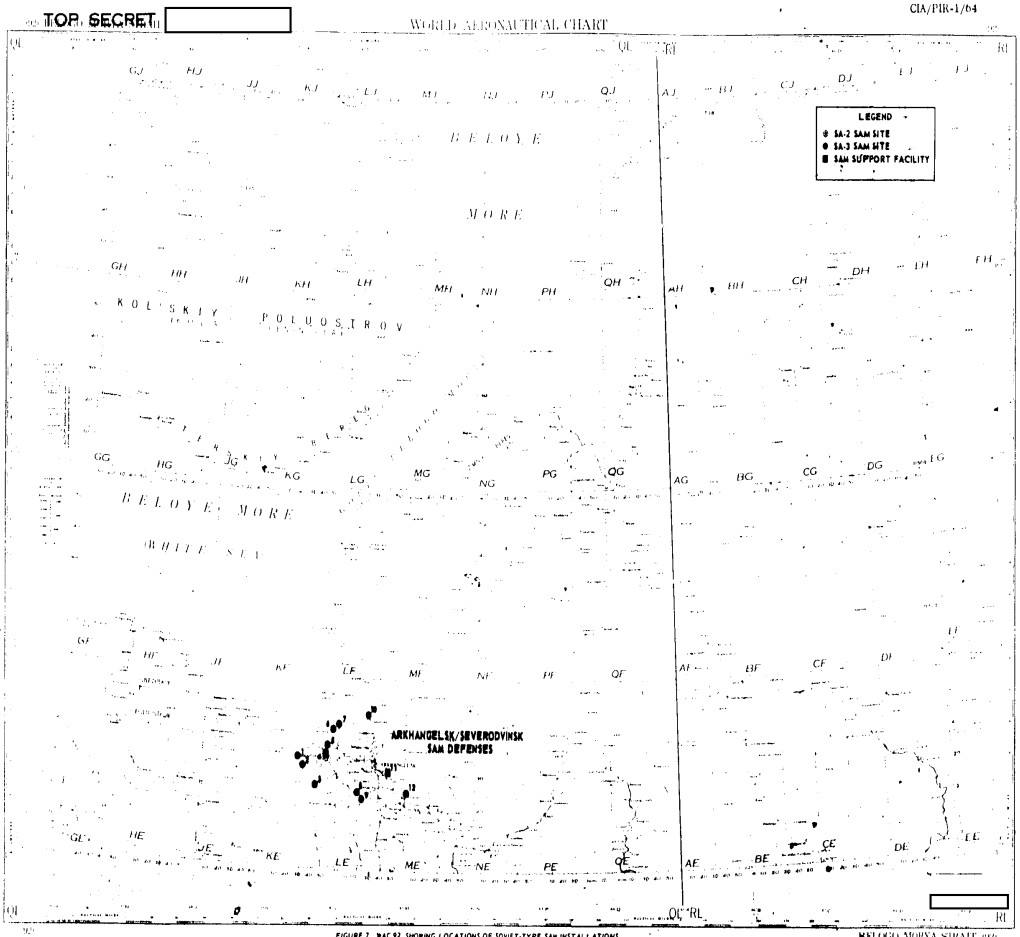


FIGURE 7. WAC 92, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

# REFERENCES

REQUIREMENT

C-RR3-80,733

PROJECT

C-1580 43 (partial answer)